

Message Text

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ACTION SS-25

INFO OCT-01 ISO-00 SSO-00 NSCE-00 CIAE-00 DODE-00 INRE-00

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FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC IMMEDIATE 2109

S E C R E T SECTION 1 OF 2 MOSCOW 9660

EXDIS

E.O. 11652: XGDS-3

TAGS: PARM, US, US

SUBJECT: TTBT/PNE NEGOTIATIONS: BUCHHEIM STATEMENT AT 13TH

PLENARY MEETING, JULY 10, 1975 - TTBT/PNE DELEGATION

MESSAGE NOM 56

1. FOLLOWING IS BUCHHEIM STATEMENT AT JULY 10 THIRTEENTH
PLENARY MEETING:

BEGIN TEXT:

AT THE LAST MEETING THE US SIDE SAID THAT TODAY WE WILL
DISCUSS OBSERVER RIGHTS AND FUNCTIONS.

I WOULD LIKE TO BEGIN WITH SOME COMMENT ON TERMINOLOGY.
THE US SIDE GENERALLY USES THE ENGLISH WORK "OBSERVER" IN
REFERRING TO PERSONNEL OF THE VERIFYING SIDE WHO WILL CARRY
OUT THE FUNCTIONS WE ARE PROPOSING. WE USE THIS WORK BECAUSE,
IN ENGLISH, IT IS DESCRIPTIVE OF THE TASK INTENDED FOR SUCH
PERSONNEL.

WE UNDERSTAND THAT THE ENGLISH WORD "OBSERVER" DOES NOT
ACCURATELY CORRESPOND TO A RUSSIAN WORD, AND IS GENERALLY
TRANSLATED "NABL'UDAT'EL.." I AM TOLD THAT THE MEANING OF
THE RUSSIAN WORK CARRIES A CONNOTATION OF POLICE OR SUPERVISE
OR DIRECT.

WE DO NOT INTEND SUCH A MEANING. THEREFORE, WE DO NOT

PROPOSE TO USE THE WORD "OBSERVER" IN THE ENGLISH VERSION

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OF THE AGREEMENT WE SEEK.

THE SOVIET SIDE HAS SUGGESTED THE WORD "PREDSTAVIT'EL." WHICH TRANSLATES TO THE ENGLISH WORD "REPRESENTATIVE". THIS WORD, IN ENGLISH, CONVEYS NO INDICATION OF THE INTENDED FUNCTIONS OF THE PERSONNEL OF THE VERIFYING SIDE. IT COULD IMPLY ANYTHING RANGING FROM A MERE PASSIVE PRESENCE TO A VERY ACTIVE DECISION-MAKING ROLE.

WHEN THE TWO SIDES BEGIN WORK TOGETHER ON DRAFT LANGUAGE, WE WILL WISH TO SHARE IDEAS WITH YOU ABOUT THIS TERMINOLOGY.

IN THE MEANTIME, I WILL USE THE WORD "OBSERVER" IN MY STATEMENT IN ENGLISH, AND DR. TUNIK WILL TRANSLATE "OBSERVER" INTO "REPRESENTATIVE" IF RUSSIAN.

THE US SIDE PRESENTED STATEMENTS DURING ROUND II ILLUSTRATING OUR VIEWS OF OBSERVER RIGHTS AND FUNCTIONS WHICH ARE REQUIRED SO THAT IT CAN BE VERIFIED THAT PNES ARE NOT PROVIDING WEAPONS-RELATED BENEFITS PRECLUDED OR LIMITED BY THE TREATY OF JULY 3, 1974.

AS A RESULT OF THE WORK OF THE TECHNICAL EXPERTS DURING ROUND III, WE CAN NOW BASE OUR DISCUSSIONS OF OBSERVER RIGHTS AND FUNCTIONS ON AGREED TECHNICAL ASSIGNMENTS OF VERIFICATION METHODS.

WHAT I WILL DISCUSS TODAY IS THE ROLE OF OBSERVERS IN VERIFYING INFORMATION EXCHANGED TO ASSIST IN THE DETERMINATION OF THE YIELDS OF SINGLE AND GROUP EXPLOSIONS BY TELESEISMIC MEANS.

GROUP I AGREED ON VARIOUS KINDS OF INFORMATION THAT SHOULD BE EXCHANGED, DEPENDING ON YIELD AND THE GEOLOGIC MEDIA IN WHICH AN EXPLOSION WILL OCCUR. THE EXPERTS OF GROUP I ADDRESSED, IN PARTICULAR, NEEDS FOR INFORMATION BEYOND THE GENERAL INFORMATION THAT WOULD BE PROVIDED FOR ALL EXPLOSIONS REGARDLESS OF YIELD, THAT IS: DATE, TIME, PLACE, PLANNED AGGREGATE YIELD, AND PURPOSE. THE EXPERTS INTENDED THAT THE ADDITIONAL INFORMATION EXCHANGED WOULD INSURE, WITHIN ESTIMATED DEGREES OF ERROR FOR ANY SINGLE OR GROUP EXPLOSION WITH AN ACTUAL YIELD LESS THAN THE AGREED YIELD LEVEL, THAT THE YIELD AS DETERMINED BY TELESEISMIC MEANS WOULD NOT EXCEED THE AGREED YIELD LIMIT.

FOR EXPLOSIONS WITH ANNOUNCED YIELDS BELOW 10 KILOTONS, NO ADDITIONAL INFORMATION WILL BE REQUIRED TO ENSURE THAT THE YIELD DETERMINED BY TELESEISMIC MEANS WILL NOT EXCEED THE SECRET

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AGREED YIELD LIMIT.

FOR LARGER ANNOUNCED YIELDS, ADDITIONAL VALID INFORMATION WILL BE REQUIRED IN ORDER TO ENSURE THAT THE YIELD DETERMINED BY TELESEISMIC MEANS WILL NOT EXCEED THE AGREED LIMIT.

IT MUST BE EMPHASIZED THAT THE WORK OF GROUP I WAS BASED ON THE CAREFUL STIPULATION THAT THEIR CONSIDERATIONS RESTED ON THE ASSUMPTION THAT THE INFORMATION TO BE EXCHANGED WILL

BE VALID.

THE US SIDE BELIEVES THAT IT WILL BE NECESSARY, AT AND ABOVE SOME YIELD LEVEL, TO HAVE THE EXPLICIT AND AGREED RIGHT TO VERIFY THAT THE INFORMATION EXCHANGED IS INDEED VALID. FROM THE WORK OF GROUP I, WE BELIEVE THIS YIELD LEVEL IS 10 KILOTONS.

IN PRACTICE, THE SCOPE OF OBSERVER ACTIVITIES THAT WOULD ACTUALLY BE REQUIRED, AND THEREFORE THE EXTENT TO WHICH OBSERVER RIGHTS WILL ACTUALLY BE EXERCISED, WILL DEPEND ON THE SPECIFIC ANNOUNCED YIELD AND THE CIRCUMSTANCES PREVAILING.

IF THE VERIFYING SIDE DOES NOT HAVE GEOLOGICAL INFORMATION ABOUT THE SPECIFIC SITE OF THE EXPLOSION FROM PREVIOUS SOURCES, THEN OBSERVERS WOULD BE REQUIRED FOR AN EXPLOSION WITH A YIELD OF 10 KILOTONS OR MORE TO DETERMINE THE VALIDITY OF THE INFORMATION EXCHANGED.

IF THE GEOLOGY OF THE SITE HAS ALREADY BEEN COMPREHENSIVELY DESCRIBED, OR IF THE GEOLOGICAL SITUATION IS OBVIOUS FROM OTHER CONSIDERATIONS, THERE MIGHT BE NO NEED TO EXERCISE OBSERVER RIGHTS IN ORDER TO VERIFY THE VALIDITY OF THE GEOLOGICAL AND GEOPHYSICAL INFORMATION EXCHANGED.

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FOR EXAMPLE, A 50-KILOTON EXPLOSION AT ANY LOCATION IN THE BALTIC SHIELD OR THE UKRAINIAN SHIELD WOULD NOT REQUIRE EXERCISE OF OBSERVER RIGHTS TO VERIFY THAT THE EXPLOSION SITE IS IN IGNEOUS AND METAMORPHIC ROCKS.

THE KEY ITEMS THAT OBSERVERS WOULD VERIFY FOR THE

PURPOSE OF TELESEISMIC YIELD DETERMINATION ARE:

- (1) THE DEPTHS OF BURIAL FOR YIELDS ABOVE 30 KILOTONS, AND
- (2) THE APPROPRIATE GEOLOGIC AND GEOPHYSICAL INFORMATION

PROVIDED BY THE HOST SIDE.

THE OBSERVERS WOULD VERIFY GEOLOGICAL AND GEOPHYSICAL INFORMATION BY THREE METHODS:

- A. BY MAKING A GEOLOGICAL SURVEY OF THE SURFACE AROUND THE EMPLACEMENT HOLE;
- B. BY EXAMINING THE CORE TAKEN FROM EXPLORATORY DRILL HOLES; AND
- C. BY EXAMINING ROCK FRAGMENTS OBTAINED DURING THE DRILLING OF THE EMPLACEMENT HOLE.

CLEARLY THE AMOUNT OF EFFORT DEVOTED TO THESE THREE ACTIVITIES WILL DEPEND UPON A NUMBER OF FACTORS.

IT WILL DEPEND ON THE NUMBER AND THE YIELDS OF THE PLANNED EXPLOSIONS.

FURTHER, WE REALIZE THAT THE TERRAIN AND OTHER FEATURES OF THE NATURAL ENVIRONMENT WILL AFFECT THE SCOPE AND RELATIVE EMPHASIS GIVEN TO THESE METHODS OF VERIFYING GEOLOGICAL AND GEOPHYSICAL INFORMATION.

FOR EXAMPLE, IF OBSERVERS WERE TO HAVE VERIFIED THE SECRET

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GEOLOGY AT THE POINT OF THE EXPLOSION AT PAMUK FOR EXTINGUISHING A GAS WELL FIRE, A GEOLOGICAL SURVEY OF THE SURFACE EXTENDING EVEN MANY KILOMETERS AWAY FROM THE EMPLACEMENT HOLE WOULD HAVE PROVIDED NO INFORMATION ABOUT THE GEOLOGY AT THE POINT OF EXPLOSION 2,400 METERS BELOW THE SURFACE. THEREFORE IT WOULD HAVE BEEN NECESSARY TO HAVE EXAMINED ROCK FRAGMENTS FROM THE EMPLACEMENT HOLE WITH EQUAL CARE IN ORDER TO VERIFY THE VALIDITY OF THE GEOLOGICAL AND GEOPHYSICAL INFORMATION THAT HAD BEEN PROVIDED.

ON THE OTHER HAND, AS SHOWN IN YOUR FILM OF THE PNE MINING APPLICATION WE SAW LAST OCTOBER, A GEOLOGICAL SURVEY OF THE SURFACE IN THE AREA OF THE MINE WOULD HAVE PROVIDED VALUABLE GEOLOGIC INFORMATION AND, CONSEQUENTLY, LESS ATTENTION WOULD HAVE BEEN DEVOTED TO EXAMINATION OF CORES TAKEN FROM EXPLORATORY HOLES AND ROCK FRAGMENTS TAKEN FROM EMPLACEMENT HOLES.

I HAVE INTENDED BY REFERENCE TO THESE EXAMPLES TO EMPHASIZE THAT AS A PRACTICAL MATTER AGREED OBSERVER RIGHTS AND FUNCTIONS WOULD BE EXERCISED ONLY TO THE DEGREE REQUIRED BY A SPECIFIC PROJECT. JUDGMENT AS TO WHICH AGREED RIGHTS WILL BE EXERCISED MUST LIE WITH THE VERIFYING SIDE. THE RIGHTS AVAILABLE TO THE EXERCISED OR NOT MUST BE CLEARLY DEFINED IN A BINDING AGREEMENT.

I HAVE TOUCHED ON ONLY ONE ASPECT OF OBSERVER FUNCTIONS TODAY. THE DETERMINATION OF THE YIELD OF AN EXPLOSION FOR PEACEFUL PURPOSES IS AN IMPORTANT ELEMENT OF VERIFICATION FOR WHICH OBSERVER RIGHTS AND FUNCTIONS ARE REQUIRED. IT

IS NOT, HOWEVER, THE SOLE ELEMENT.

UNDER APPROPRIATE CIRCUMSTANCES OBSERVERS WILL BE NEEDED TO
VERIFY, AMONG OTHER THINGS, THE YIELDS OF INDIVIDUAL EX-
PLOSIONS OF A GROUP OF EXPLOSIONS, THE FISSION YIELD OF
EXCAVATION EXPLOSIONS, AND THE PEACEFUL PURPOSE OF THE
EXPLOSIONS. I WILL DISCUSS THESE AND OTHER ASPECTS OF OBSERVERS
DURING SUBSEQUENT PLENARY SESSIONS.

END TEXT.

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